



UMASS/AMHERST



312066016709144

**EMPLOYMENT TRENDS  
LAWRENCE-HAVERHILL PMSA  
1980 TO 1990**



**EMPLOYMENT TRENDS  
LAWRENCE-HAVERHILL PMSA  
1980 TO 1990**

**MASSACHUSETTS DEPARTMENT OF EMPLOYMENT AND TRAINING  
FIELD SERVICE RESEARCH**

**MAY 1991**



## INTRODUCTION

This is one of a set of booklets prepared by the Massachusetts Department of Employment and Training to provide employment statistics for the Commonwealth and the major labor market areas. These areas, known as metropolitan statistical areas (MSA's) of Primary Metropolitan statistical areas (PMSA's), were defined by the federal government based on commuting patterns identified in the 1980 census. They became effective in 1985 in Massachusetts, but data have been revised back to 1980 for the nonagricultural wage and salary employment series, and back to 1983 for the local area unemployment statistics (except for the Salem-Gloucester PMSA for which only the latter series was revised). All of the substate data contained in these packets is for these labor market areas.

Two different types of data are provided for the state and each of the local areas. The nonagricultural wage and salary employment series is based on a survey of employers and is an estimate of jobs by place of work. The labor force and unemployment statistics are based on a household survey and are estimates of employed and unemployed persons by place of residence. These two data sources are not comparable but each has important uses. The nonagricultural employment series provides estimates of employment by major industry division and selected industries for the state and the major labor areas. The local area unemployment statistics program is the source of information on local unemployment rates.

The major labor areas in Massachusetts are:

- Boston PMSA
- Brockton PMSA
- Fall River, Mass.-R.I. PMSA
- Fitchburg-Leominster MSA
- Lawrence-Haverhill, Mass.-N.H. PMSA
- Lowell, Mass.-N.H. PMSA
- New Bedford MSA
- Pittsfield MSA
- Salem-Gloucester PMSA
- Springfield MSA
- Worcester MSA

A booklet of "Employment Trends" has been prepared for the state and each labor market area identified above. To obtain a copy of any of these booklets call 617/727-6530 or write to:

**MASSACHUSETTS DEPARTMENT OF EMPLOYMENT AND TRAINING  
FIELD SERVICE RESEARCH  
CHARLES F. HURLEY BUILDING  
GOVERNMENT CENTER  
BOSTON, MA 02114**



Digitized by the Internet Archive  
in 2014

This booklet is organized as follows:

I. Labor Force and Unemployment Data/Labor Market Area, Massachusetts and the United States

This section contains annual average labor force and unemployment statistics for the labor market area (1983-1990) and the state (1980-1990); it also contains annual average unemployment rates for the nation. Monthly labor force statistics are also provided for the labor market area for 1989 and 1990.

II. Nonagricultural Wage and Salary Employment/Annual Averages/Labor Market Area

Included here are annual average nonagricultural employment levels for major industries in the labor market area for the years 1980 through 1990 (except for the Salem-Gloucester OMSA, which starts with 1985). This section also contains employment percent distributions and comparisons between selected years.

III. Nonagricultural Wage and Salary Employment/Major Industry Divisions/Massachusetts and the United States

This part contains annual average nonagricultural employment levels for major industry divisions in the state and nation. It also includes statewide percent distributions and comparisons between selected years, similar to those provided for the local areas in Section II. This state and national data is given for comparison purposes; more detailed data for Massachusetts is contained in a separate booklet. This section also includes a table showing total nonagricultural and manufacturing employment change from 1980 to 1990 in Massachusetts and each of the major labor market areas (except Salem-Gloucester).

IV. Detailed Nonagricultural Wage and Salary Employment Tables/Labor Market Area

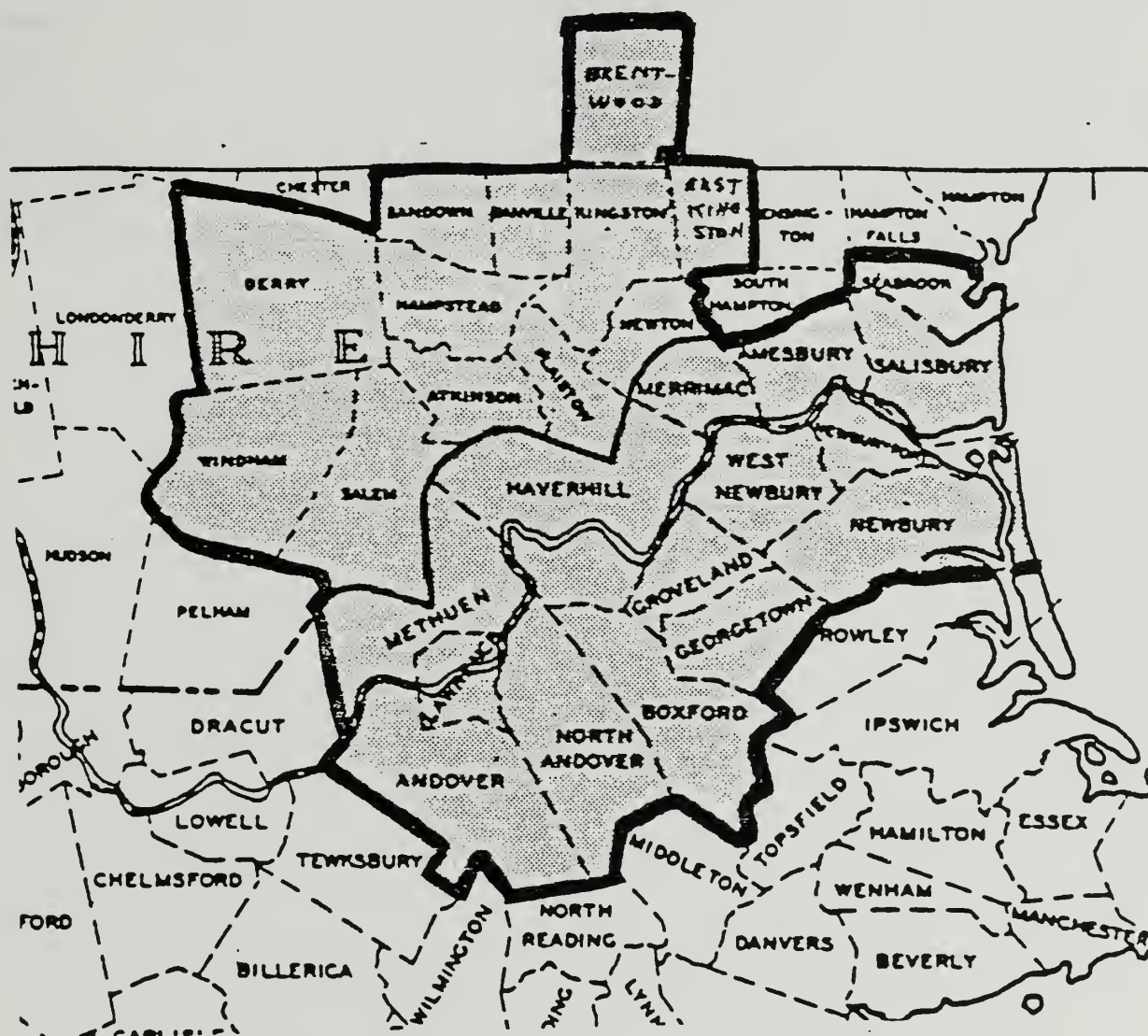
This section contains detailed monthly and annual average nonagricultural employment levels for major industry divisions and selected industries in the labor market area for the same years as in Section II.





# LAWRENCE-HAVERHILL, MA-NH

## PMSA\*



\* Primary Metropolitan Statistical Area is an area that meets the criteria of being metropolitan and is part of a complex of metropolitan areas having over a million people.

As defined by  
U.S. Office of Management & Budget  
30 June 1983

10 0 10 20 30

SCALE IN MILES



The Lawrence-Haverhill, MA-NH PMSA consists of the following communities:

Massachusetts

Amesbury  
Andover  
Boxford  
Georgetown  
Groveland  
Haverhill  
Lawrence  
Merrimac  
Methuen  
Newbury  
Newburyport  
North Andover  
Salisbury  
West Newbury

New Hampshire

Atkinson  
Brentwood  
Danville  
Derry  
East Kingston  
Hampstead  
Kingston  
Newton  
Plaistow  
Salem  
Sandown  
Seabrook  
Windham



**LABOR FORCE AND UNEMPLOYMENT DATA**

**THE LAWRENCE-HAVERHILL PMSA,**

**MASSACHUSETTS**

**AND**

**THE UNITED STATES**



**LAWRENCE-HAVERHILL PMSA  
LABOR FORCE DATA  
1983 TO 1990 ANNUAL AVERAGES**

	<u>Labor Force</u>	<u>Employ- ment</u>	<u>Unemploy- ment</u>	<u>Unemp Rate</u>
1983	173,876	160,144	13,732	7.9%
1984	177,407	166,937	10,470	5.9%
1985	181,775	172,751	9,024	5.0%
1986	182,057	173,217	8,840	4.9%
1987	183,579	175,635	7,944	4.3%
1988	186,197	178,637	7,560	4.1%
1989	188,126	178,219	9,907	5.3%
1990	187,049	172,561	14,489	7.7%

**SOURCE:** Massachusetts Department of Employment and Training,  
Local Area Unemployment Statistics (LAUS).

Revised 7/91





**LAWRENCE-HAVERHILL PMSA  
LABOR FORCE DATA  
1989 & 1990 BY MONTH**

	<u>Labor Force</u>	<u>Employ- ment</u>	<u>Unemploy- ment</u>	<u>Unemp Rate</u>
<b>1989</b>				
January	187,099	179,110	7,989	4.3%
February	187,888	179,162	8,726	4.6%
March	187,974	179,263	8,711	4.6%
April	188,711	179,731	8,980	4.8%
May	188,052	179,277	8,775	4.7%
June	192,092	181,678	10,414	5.4%
July	192,720	181,346	11,374	5.9%
August	192,883	182,633	10,250	5.3%
September	185,357	173,994	11,363	6.1%
October	184,715	173,427	11,288	6.1%
November	185,477	174,686	10,791	5.8%
December	184,545	174,320	10,225	5.5%
Annual Average	188,126	178,219	9,907	5.3%
<b>1990</b>				
January	184,283	172,987	11,296	6.1%
February	186,432	173,089	13,343	7.2%
March	186,576	172,748	13,828	7.4%
April	186,867	173,932	12,935	6.9%
May	187,879	174,877	13,002	6.9%
June	190,815	175,575	15,240	8.0%
July	189,328	173,675	15,653	8.3%
August	190,848	174,944	15,904	8.3%
September	187,548	171,743	15,805	8.4%
October	184,043	169,184	14,859	8.1%
November	184,655	168,483	16,172	8.8%
December	185,317	169,491	15,826	8.5%
Annual Average	187,049	172,561	14,489	7.7%

SOURCE: Massachusetts Department of Employment and Training,  
Local Area Unemployment Statistics (LAUS).

Revised 7/91



**MASSACHUSETTS LABOR FORCE DATA  
AND NATIONAL UNEMPLOYMENT RATE  
ANNUAL AVERAGES 1980-1990  
(Numbers in Thousands)**

	<u>Working Age Population</u>	<u>Labor Force</u>	<u>Employ- ment</u>	<u>Unemploy- ment</u>	<u>Unemployment Rate Mass.</u>	<u>U.S.</u>
1980	4,374	2,867	2,706	162	5.6%	7.1%
1981	4,418	2,947	2,760	187	6.4%	7.6%
1982	4,443	2,993	2,757	237	7.9%	9.7%
1983	4,472	2,977	2,772	205	6.9%	9.6%
1984	4,511	3,047	2,902	145	4.8%	7.5%
1985	4,534	3,051	2,931	120	3.9%	7.2%
1986	4,563	3,058	2,941	118	3.8%	7.0%
1987	4,587	3,086	2,987	99	3.2%	6.2%
1988	4,612	3,155	3,052	103	3.3%	5.5%
1989	4,618	3,180	3,053	127	4.0%	5.3%
1990	4,620	3,166	2,977	189	6.0%	5.5%

**SOURCE:** Massachusetts Department of Employment and Training and The United States Department of Labor, Bureau of Labor Statistics, Current Population Survey.

**NOTE:** National figure excludes military.



**NONAGRICULTURAL WAGE AND SALARY  
EMPLOYMENT  
ANNUAL AVERAGES  
THE LAWRENCE-HAVERHILL PMSA**



**NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT**  
**LAWRENCE-HAVERHILL PMSA**  
**ANNUAL AVERAGES 1980-1990**  
(In Thousands)

<u>Industry</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Nonagricultural Employment	132.0	135.3	132.1	141.2	149.1	157.9	159.6	161.5	165.4	163.6	155.0
Construction 1	3.2	3.3	3.7	11.8	8.5	9.9	9.4	8.2	8.0	7.0	5.7
Manufacturing	51.5	54.1	49.8	48.4	53.7	56.1	52.6	50.7	50.7	48.0	44.1
Durable Goods	33.8	36.8	34.7	33.6	38.5	41.7	39.1	37.0	36.7	34.9	31.9
Nondurable Goods	17.6	17.3	15.2	14.8	15.2	14.4	13.5	13.7	14.0	13.1	12.2
Transportation & Public Utilities	5.9	5.6	5.5	5.6	5.6	6.2	6.6	6.8	6.9	6.5	6.4
Wholesale & Retail Trade	25.6	26.3	26.9	27.6	30.6	32.1	34.9	36.1	36.5	37.3	36.1
Wholesale Trade	-	-	-	-	-	-	-	-	6.7	7.4	7.2
Retail Trade	-	-	-	-	-	-	-	-	29.8	29.9	28.9
Finance, Insurance & Real Estate	5.0	4.8	4.8	5.0	5.1	5.4	5.9	6.3	6.5	6.4	6.0
Services	23.2	22.7	24.0	25.1	27.7	29.5	30.7	33.2	35.6	37.2	36.2
Health Services	-	-	-	-	-	-	-	-	12.2	12.5	12.5
Government	17.8	18.5	17.5	17.7	17.9	18.7	19.6	20.2	21.3	21.3	20.6
Federal	-	-	-	-	-	-	-	-	4.8	4.3	3.9
State	-	-	-	-	-	-	-	-	2.5	2.5	2.3
Local	-	-	-	-	-	-	-	-	14.0	14.6	14.3

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Survey (CES-790).

NOTE: Numbers may not add to totals due to rounding.

1. Large fluctuations in construction employment in mid-1980's were primarily due to Seabrook, New Hampshire, nuclear power plant project.

Revised 7/91





**NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
LAWRENCE-HAVERHILL PMSA  
PERCENT DISTRIBUTION 1980 AND 1990**

<b><u>INDUSTRY</u></b>	<b><u>1980</u></b>	<b><u>1990</u></b>
Nonagricultural Employment	100.0%	100.0%
Construction	2.4%	3.7%
Manufacturing	39.0%	28.5%
Durable Goods	25.6%	20.6%
Nondurable Goods	13.3%	7.9%
Transportation & Public Utilities	4.5%	4.1%
Wholesale & Retail Trade	19.4%	23.3%
Finance, Insurance & Real Estate	3.8%	3.9%
Services	17.6%	23.4%
Government	13.5%	13.3%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Survey (CES-790).

Note: Numbers may not add to totals due to rounding.

Printed 01-Aug-91



**NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
LAWRENCE-HAVERHILL PMSA  
1980 AND 1990 ANNUAL AVERAGES**

<u>INDUSTRY</u>	<u>1980</u>	<u>1990</u>	<u>Change</u>	<u>Percent Change</u>
Nonagricultural Employment	132,000	155,000	23,000	17.4%
Construction	3,200	5,700	2,500	78.1%
Manufacturing	51,500	44,100	(7,400)	-14.4%
Durable Goods	33,800	31,900	(1,900)	-5.6%
Nondurable Goods	17,600	12,200	(5,400)	-30.7%
Transportation & Public Utilities	5,900	6,400	500	8.5%
Wholesale & Retail Trade	25,600	36,100	10,500	41.0%
Finance, Insurance & Real Estate	5,000	6,000	1,000	20.0%
Services	23,200	36,200	13,000	56.0%
Government	17,800	20,600	2,800	15.7%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Survey (CES-790).

Note: Numbers may not add to totals due to rounding.

Printed 01-Aug-91



**NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
LAWRENCE-HAVERHILL PMSA  
1988 AND 1990 ANNUAL AVERAGES**

<u>INDUSTRY</u>	<u>1988</u>	<u>1990</u>	<u>Change</u>	<u>Percent Change</u>
Nonagricultural Employment	165,400	155,000	(10,400)	-6.3%
Total Private	144,200	134,400	(9,800)	-6.8%
Goods Producing	58,700	49,800	(8,900)	-15.2%
Construction	8,000	5,700	(2,300)	-28.8%
Manufacturing	50,700	44,100	(6,600)	-13.0%
Durable Goods	36,700	31,900	(4,800)	-13.1%
Nondurable Goods	14,000	12,200	(1,800)	-12.9%
Service Producing	106,700	105,200	(1,500)	-1.4%
Private Service Producing	85,500	84,600	(900)	-1.1%
Transportation & Public Utilities	6,900	6,400	(500)	-7.2%
Wholesale & Retail Trade	36,500	36,100	(400)	-1.1%
Wholesale Trade	6,700	7,200	500	7.5%
Retail Trade	29,800	28,900	(900)	-3.0%
Finance, Insurance & Real Estate	6,500	6,000	(500)	-7.7%
Services	35,600	36,200	600	1.7%
Health Services	12,200	12,500	300	2.5%
Government	21,300	20,600	(700)	-3.3%
Federal	4,800	3,900	(900)	-18.8%
State	2,500	2,300	(200)	-8.0%
Local	14,000	14,300	300	2.1%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Survey (CES-790).

Note: Numbers may not add to totals due to rounding.

Printed 01-Aug-91



**NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
LAWRENCE-HAVERHILL PMSA  
1989 AND 1990 ANNUAL AVERAGES**

<u>INDUSTRY</u>	<u>1989</u>	<u>1990</u>	<u>Change</u>	<u>Percent Change</u>
Nonagricultural Employment	163,600	155,000	(8,600)	-5.3%
Total Private	142,300	134,400	(7,900)	-5.6%
Goods Producing	54,900	49,800	(5,100)	-9.3%
Construction	7,000	5,700	(1,300)	-18.6%
Manufacturing	48,000	44,100	(3,900)	-8.1%
Durable Goods	34,900	31,900	(3,000)	-8.6%
Nondurable Goods	13,100	12,200	(900)	-6.9%
Service Producing	108,700	105,200	(3,500)	-3.2%
Private Service Producing	87,400	84,600	(2,800)	-3.2%
Transportation & Public Utilities#	6,500	6,400	(100)	-1.5%
Wholesale & Retail Trade	37,300	36,100	(1,200)	-3.2%
Wholesale Trade	7,400	7,200	(200)	-2.7%
Retail Trade	29,900	28,900	(1,000)	-3.3%
Finance, Insurance & Real Estate	6,400	6,000	(400)	-6.3%
Services	37,200	36,200	(1,000)	-2.7%
Health Services	12,500	12,500	0	0.0%
Government	21,300	20,600	(700)	-3.3%
Federal	4,300	3,900	(400)	-9.3%
State	2,500	2,300	(200)	-8.0%
Local	14,600	14,300	(300)	-2.1%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Survey (CES-790).

Note: Numbers may not add to totals due to rounding.

# Labor dispute occurred in communications: August to November 1989.





**NONAGRICULTURAL WAGE AND SALARY  
EMPLOYMENT  
MAJOR INDUSTRY DIVISIONS  
MASSACHUSETTS  
AND  
UNITED STATES**



**MASSACHUSETTS**  
**NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT**  
**ANNUAL AVERAGES 1980-1990**  
(In Thousands)

<u>Industry</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Nonagricultural Employment	2,652.2	2,668.3	2,638.0	2,692.5	2,851.8	2,926.0	2,984.8	3,061.8	3,126.2	3,103.4	2,977.7
Manufacturing	673.3	668.0	636.5	629.0	667.6	649.7	614.4	599.1	584.7	561.1	520.4
Durable Goods	435.7	435.2	414.4	409.2	443.5	436.0	409.1	398.0	388.1	372.1	342.3
Nondurable Goods	237.6	232.9	222.1	219.7	224.1	213.6	205.3	201.1	196.5	189.0	178.0
Mining 1	—	—	1.1	1.0	1.2	1.5	1.6	1.6	1.7	1.6	1.4
Construction	77.4	79.6	78.4	82.6	96.4	109.4	123.2	137.7	142.1	126.8	99.5
Transportation and Public Utilities	121.6	120.1	120.0	118.2	123.3	125.4	125.9	131.0	133.6	128.3	128.9
Wholesale & Retail Trade	576.6	581.3	579.2	612.7	658.3	684.1	709.7	723.4	739.4	740.5	701.0
Wholesale Trade	—	—	133.3	140.8	151.9	154.7	162.8	170.9	179.9	179.6	170.9
Retail Trade	—	—	445.9	471.9	507.3	529.3	529.4	546.9	560.5	560.9	530.1
Finance, Insurance and Real Estate	159.0	164.8	168.7	171.8	179.0	188.1	202.6	217.9	221.5	217.3	214.6
Services 1	634.0	663.5	683.5	705.8	754.0	786.5	818.4	853.9	896.6	924.1	917.8
Government	410.3	391.1	370.7	371.4	371.4	381.3	389.0	397.2	406.7	403.6	394.2
High Technology Mfg.	—	238.4	238.2	240.2	261.3	258.5	245.0	239.9	238.6	229.9	212.2
High Technology Nonmfg.	—	—	—	—	70.2	75.9	82.0	85.2	94.1	95.6	92.5

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Program (CES-790).

NOTE: Numbers may not add to totals due to rounding.

1. Services and mining were combined prior to 1982.



**MASSACHUSETTS  
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT  
PERCENT DISTRIBUTION**

<u>Industry</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Nonagricultural Employment	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Manufacturing	25.4%	25.0%	24.1%	23.4%	23.4%	22.2%	20.6%	19.6%	18.7%	18.1%	17.5%
Durable Goods	16.4%	16.3%	15.7%	15.2%	15.6%	14.9%	13.7%	13.0%	12.4%	12.0%	11.5%
Nondurable Goods	9.0%	8.7%	8.4%	8.2%	7.9%	7.3%	6.9%	6.6%	6.3%	6.1%	6.0%
Mining 1	—	—	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%
Construction	2.9%	3.0%	3.0%	3.1%	3.4%	3.7%	4.1%	4.5%	4.5%	4.1%	3.3%
Transportation and Public Utilities	4.6%	4.5%	4.5%	4.4%	4.3%	4.3%	4.2%	4.3%	4.3%	4.1%	4.3%
Wholesale & Retail Trade	21.7%	21.8%	22.0%	22.8%	23.1%	23.4%	23.8%	23.6%	23.7%	23.9%	23.5%
Wholesale Trade	—	—	5.1%	5.2%	5.3%	5.3%	5.5%	5.6%	5.8%	5.8%	5.7%
Retail Trade	—	—	16.9%	17.5%	17.8%	18.1%	17.7%	17.9%	17.9%	18.1%	17.8%
Finance, Insurance and Real Estate	6.0%	6.2%	6.4%	6.4%	6.3%	6.4%	6.8%	7.1%	7.1%	7.0%	7.2%
Services 1	23.9%	24.9%	25.9%	26.2%	26.4%	26.9%	27.4%	27.9%	28.7%	29.8%	30.8%
Government	15.5%	14.7%	14.1%	13.8%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.2%
High Technology Mfg.	—	8.9%	9.0%	8.9%	9.2%	8.8%	8.2%	7.8%	7.6%	7.4%	7.1%
High Technology Nonmfg.	—	—	—	—	2.5%	2.6%	2.7%	2.8%	3.0%	3.1%	3.1%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Program (CES-790).

NOTE: Numbers may not add to totals due to rounding.

1. Services and mining were combined prior to 1982.



**MASSACHUSETTS**  
**NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT**  
**ANNUAL AVERAGES, 1980 and 1990**  
(In Thousands)

<u>Industry</u>	<u>1980</u>	<u>1990</u>	<u>Absolute Change</u>	<u>Percent Change</u>
Nonagricultural Employment	2,652.2	2,977.7	325.5	12.3%
Manufacturing	673.3	520.4	(152.9)	-22.7%
Durable Goods	435.7	342.3	(93.4)	-21.4%
Nondurable Goods	237.6	178.0	(59.6)	-25.1%
Construction	77.4	99.5	22.1	28.6%
Transportation and Public Utilities	121.6	128.9	7.3	6.0%
Wholesale & Retail Trade	576.6	701.0	124.4	21.6%
Finance, Insurance and Real Estate	159.0	214.6	55.6	35.0%
Services	634.0	917.8	283.8	44.8%
Government	410.3	394.2	(16.1)	-3.9%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Program (CES-790).

NOTE: Numbers may not add to totals due to rounding.





**MASSACHUSETTS**  
**NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT**  
**ANNUAL AVERAGES, 1989 and 1990**  
(In Thousands)

<u>Industry</u>	<u>1989</u>	<u>1990</u>	<u>Absolute Change</u>	<u>Percent Change</u>
Nonagricultural Employment	3,103.4	2,977.7	(125.7)	-4.1%
Manufacturing	561.1	520.4	(40.7)	-7.3%
Durable Goods	372.1	342.3	(29.8)	-8.0%
Nondurable Goods	189.0	178.0	(11.0)	-5.8%
Mining	1.6	1.4	(0.2)	-12.5%
Construction	126.8	99.5	(27.3)	-21.5%
Transportation and Public Utilities	128.3	128.9	0.6	0.5%
Wholesale & Retail Trade	740.5	701.0	(39.5)	-5.3%
Wholesale Trade	179.6	170.9	(8.7)	-4.8%
Retail Trade	560.9	530.1	(30.8)	-5.5%
Finance, Insurance and Real Estate	217.3	214.6	(2.7)	-1.2%
Services	924.1	917.8	(6.3)	-0.7%
Government	403.6	394.2	(9.4)	-2.3%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Program (CES-790).

NOTE: Numbers may not add to totals due to rounding.



**NONAGRICULTURAL AND MANUFACTURING EMPLOYMENT  
MASSACHUSETTS AND MAJOR LABOR AREAS  
ANNUAL AVERAGES, 1980 and 1990  
(In Thousands)**

	<u>1980</u>	<u>1990</u>	<u>Absolute Change</u>	<u>Percent Change</u>
Massachusetts – Total	2,652.2	2,977.7	325.5	12.3%
Manufacturing	673.3	520.4	(152.9)	-22.7%
Boston PMSA – Total	1,491.3	1,672.4	181.1	12.1%
Manufacturing	313.2	240.1	(73.1)	-23.3%
Springfield MSA – Total	219.5	234.1	14.6	6.7%
Manufacturing	64.9	46.1	(18.8)	-29.0%
Worcester MSA – Total	170.8	192.6	21.8	12.8%
Manufacturing	50.2	40.4	(9.8)	-19.5%
Lawrence–Haverhill PMSA – Total	132.0	155.0	23.0	17.4%
Manufacturing	51.5	44.1	(7.4)	-14.4%
Lowell PMSA – Total	82.2	99.9	17.7	21.5%
Manufacturing	30	31.2	1.2	4.0%
Brockton PMSA – Total	60.9	70.6	9.7	15.9%
Manufacturing	13.1	9.2	(3.9)	-29.8%
Fall River PMSA – Total	51.4	52.5	1.1	2.1%
Manufacturing	19.3	13.8	(5.5)	-28.5%
New Bedford MSA – Total	64	65	0.5	0.8%
Manufacturing	25.6	16	(9.6)	-37.5%
Fitchburg–Leominster MSA – Total	38.1	39	0.7	1.8%
Manufacturing	15.2	11.1	(4.1)	-27.0%
Pittsfield MSA – Total	39.2	42.2	3.0	7.7%
Manufacturing	14.2	10.4	(3.8)	-26.8%

SOURCE: Massachusetts Department of Employment and Training, Current Employment Statistics Program (CES-790).



**UNITED STATES**  
**NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT**  
**ANNUAL AVERAGES 1980-1990**  
(In Thousands)

<u>Industry</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Nonagricultural Employment	90,406	91,156	89,566	90,200	94,496	97,519	99,525	102,200	105,536	108,413	110,321
Manufacturing	20,285	20,170	18,781	18,434	19,378	19,260	18,965	19,024	19,350	19,426	19,062
Durable Goods	12,187	12,109	11,039	10,732	11,505	11,490	11,230	11,167	11,381	11,422	11,122
Nondurable Goods	8,098	8,061	7,741	7,702	7,873	7,770	7,734	7,858	7,969	8,004	7,940
Mining	1,027	1,139	1,128	952	966	927	777	717	713	700	735
Construction	4,346	4,188	3,905	3,948	4,383	4,673	4,816	4,967	5,110	5,200	5,204
Transportation and Public Utilities	5,146	5,165	5,082	4,954	5,159	5,238	5,255	5,372	5,527	5,648	5,839
Wholesale & Retail Trade	20,310	20,547	20,457	20,881	22,100	23,073	23,683	24,327	25,132	25,851	26,149
Wholesale Trade	5,275	5,358	5,278	5,268	5,555	5,717	5,753	5,865	6,055	6,271	6,361
Retail Trade	15,035	15,189	15,179	15,613	16,545	17,356	17,930	18,462	19,077	19,580	19,788
Finance, Insurance and Real Estate	5,160	5,298	5,341	5,468	5,689	5,955	6,283	6,547	6,649	6,724	6,832
Services	17,890	18,619	19,036	19,694	20,797	22,000	23,053	24,235	25,669	27,096	28,209
Government	16,241	16,031	15,837	15,869	16,024	16,394	16,693	17,010	17,386	17,769	18,291

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics.

NOTE: Numbers may not add to totals due to rounding.



**DETAILED NONAGRICULTURAL WAGE AND SALARY  
EMPLOYMENT TABLES  
THE LAWRENCE-HAVERHILL PMSA**





LAURENCE-HAVERHILL, MASSACHUSETTS-NEW HAMPSHIRE PHSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1990

REVISED TO 1ST QTR 1990 BENCHMARK

I N D U S T R Y	S E R I E S C O D E	R E V I S E D T O 1 S T Q T R 1 9 9 0 B E N C H M A R K											
		J A N .	F E B .	M A R .	A P R I L	M A Y	J U N E	J U L Y	A U G .	S E P T .	O C T .	N O V .	A V G .
NONAGRICULTURAL EMPLOYMENT	000000	155.7	154.5	155.0	155.8	156.2	157.9	154.1	154.2	155.3	153.8	153.6	153.8
TOTAL PRIVATE	000015	134.5	133.0	133.5	134.1	134.9	136.8	135.1	135.3	135.3	133.5	133.4	133.5
GOODS PRODUCING	000045	50.6	50.2	49.8	50.2	50.2	50.7	49.7	50.0	50.0	49.1	48.7	48.2
SERVICE PRODUCING	000055	105.1	104.3	105.2	105.6	106.0	107.2	104.4	104.2	105.3	104.7	104.9	105.6
PRIVATE SERVICE PRODUCING	000075	83.9	82.8	83.7	83.9	84.7	86.1	85.4	85.3	85.3	84.4	84.7	85.3
CONSTRUCTION	200201	5.6	5.5	5.4	5.6	5.7	6.0	6.1	6.0	5.8	5.6	5.5	5.3
MANUFACTURING	300001	45.0	44.7	44.4	44.6	44.5	44.7	43.6	44.0	44.2	43.5	43.2	42.9
DURABLE GOODS	300016	32.7	32.5	32.1	32.2	32.1	32.1	31.7	31.7	31.9	31.4	31.3	31.2
AUD.,VID.,COMM EQUIP & ELEC COMPON	336536	9.4	9.3	9.2	9.2	9.2	9.2	9.0	9.0	9.0	9.0	9.0	8.9
NONDURABLE GOODS	400016	12.3	12.2	12.3	12.4	12.4	12.6	11.9	12.3	12.3	12.1	11.9	11.7
TRANSPORTATION,PUBLIC UTILITIES	500001	6.6	6.5	6.5	6.4	6.5	6.5	6.0	6.0	6.4	6.4	6.4	6.3
WHOLESALE & RETAIL TRADE	600001	35.8	34.9	35.3	35.5	35.9	36.7	36.6	36.6	36.5	35.9	36.4	37.0
WHOLESALE TRADE	600016	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.2	7.2
RETAIL TRADE	600036	28.6	27.7	28.1	28.3	28.7	29.5	29.4	29.4	29.4	28.8	29.2	29.8
FINANCE, INSURANCE & REAL ESTATE	700001	6.0	5.9	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	6.0
SERVICES	800001	35.5	35.5	35.9	36.0	36.3	36.9	36.8	36.7	36.5	36.2	36.0	36.1
HEALTH SERVICES	880002	12.5	12.5	12.6	12.3	12.3	12.5	12.4	12.4	12.4	12.6	12.6	12.7
GOVERNMENT	900001	21.2	21.5	21.5	21.7	21.3	21.1	19.0	18.9	20.0	20.3	20.2	20.3
FEDERAL	910001	4.0	4.6	4.5	5.0	4.4	4.1	3.6	3.5	3.5	3.3	3.3	3.4
STATE	920001	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.4	2.4	2.4
LOCAL	930001	14.8	14.5	14.6	14.3	14.6	14.7	13.2	13.2	14.3	14.6	14.5	14.3



LAURENCE-HAVERHILL, MASSACHUSETTS-NEW HAMPSHIRE PMSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1989

REVISED TO 1ST QTR 1990 BENCHMARK

S E R I E S C O D E	I N D U S T R Y												A V G .
	J A N .	F E B .	M A R .	A P R I L	M A Y	J U N E	J U L Y	A U G .	S E P T .	O C T .	N O V .	D E C .	
NONAGRICULTURAL EMPLOYMENT . . . . .	164.2	163.8	164.8	164.6	165.2	168.1	164.4	164.1	163.1	159.9	160.3	161.1	163.6
TOTAL PRIVATE . . . . .	142.2	141.3	142.2	142.3	143.7	146.6	144.2	144.0	142.8	139.2	139.3	140.0	142.3
GOODS PRODUCING . . . . .	56.7	56.2	56.0	55.4	55.5	55.9	54.7	55.2	54.8	53.2	52.9	52.4	54.9
SERVICE PRODUCING . . . . .	107.5	107.6	108.8	109.2	109.7	112.2	109.7	108.9	108.3	106.7	107.4	108.7	108.7
PRIVATE SERVICE PRODUCING . . . . .	85.5	85.1	86.2	86.9	88.2	90.7	89.5	88.8	88.0	86.0	86.4	87.6	87.4
CONSTRUCTION . . . . .	6.9	6.5	6.7	6.8	6.9	7.3	7.5	7.5	7.2	6.9	6.8	6.5	7.0
MANUFACTURING . . . . .	49.8	49.7	49.3	48.6	48.6	48.6	47.2	47.7	47.6	46.3	46.1	45.9	48.0
DURABLE GOODS. . . . .	36.5	36.4	35.9	35.3	35.3	35.2	34.8	34.7	34.5	33.5	33.4	33.3	34.9
AUD,VID,COMM EQUIP & ELEC COMPON . . . . .	11.2	11.0	10.6	10.5	10.4	10.3	10.1	10.1	9.9	9.8	9.8	9.6	10.3
NONDURABLE GOODS . . . . .	13.3	13.3	13.4	13.3	13.3	13.4	12.4	13.0	13.1	12.8	12.7	12.6	13.1
TRANSPORTATION,PUBLIC UTILITIES . . . . .	6.7	6.8	6.8	6.7	6.9	6.9	6.4	5.8	5.9	6.1	6.1	6.7	6.5
WHOLESALE & RETAIL TRADE . . . . .	36.4	35.8	36.5	36.4	37.1	38.7	38.4	38.1	37.8	37.0	37.5	38.0	37.3
WHOLESALE TRADE . . . . .	7.0	7.1	7.1	7.3	7.4	7.6	7.6	7.7	7.6	7.5	7.7	7.6	7.4
RETAIL TRADE . . . . .	29.4	28.7	29.4	29.1	29.7	31.1	30.8	30.4	30.2	29.5	29.8	30.4	29.9
FINANCE, INSURANCE & REAL ESTATE . . . . .	6.4	6.3	6.3	6.6	6.5	6.6	6.5	6.5	6.4	6.2	6.2	6.2	6.4
SERVICES . . . . .	36.0	36.2	36.6	37.2	37.7	38.5	38.2	38.4	37.9	36.7	36.6	36.7	37.2
HEALTH SERVICES. . . . .	12.3	12.4	12.4	12.5	12.6	12.7	12.5	12.5	12.5	12.3	12.4	12.5	12.5
GOVERNMENT . . . . .	22.0	22.5	22.6	22.3	21.5	21.5	20.2	20.1	20.3	20.7	21.0	21.1	21.3
FEDERAL . . . . .	4.7	5.2	5.1	5.0	4.3	4.2	3.9	4.0	3.9	3.8	3.8	3.8	4.3
STATE. . . . .	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.5
LOCAL . . . . .	14.8	14.8	15.0	14.8	14.7	14.8	13.9	13.7	14.0	14.5	14.8	14.9	14.6



LAURENCE-HAVERHILL, MASSACHUSETTS-NEW HAMPSHIRE PMSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1988

REVISED TO 1ST QTR 1989 BENCHMARK

I N D U S T R Y	S E R I E S C O D E	M O N T H												A V G.
		J A N.	F E B.	M A R.	A P R I L	M A Y	J U N E	J U L Y	A U G.	S E P T.	O C T.	N O V.	D E C.	
NONAGRICULTURAL EMPLOYMENT	000000	160.3	161.1	163.2	164.9	165.8	168.2	165.2	165.7	167.8	167.3	167.3	168.2	165.4
TOTAL PRIVATE	000015	139.9	139.8	141.0	142.4	143.6	146.1	145.7	146.6	146.5	145.9	145.9	146.5	144.2
GOODS PRODUCING	000045	57.4	57.3	57.5	58.3	58.8	59.9	59.1	60.0	59.7	59.1	58.9	58.5	58.7
SERVICE PRODUCING	000055	102.9	103.8	105.7	106.6	107.0	108.3	106.1	105.7	108.1	108.2	108.4	109.7	106.7
PRIVATE SERVICE PRODUCING	000075	82.5	82.5	83.5	84.1	84.8	86.2	86.6	86.6	86.8	86.8	87.0	88.0	85.5
CONSTRUCTION	200001	7.2	7.2	7.1	8.0	8.3	8.6	8.7	8.7	8.6	8.1	7.9	7.7	8.0
MANUFACTURING	300001	50.2	50.1	50.4	50.3	50.5	51.3	50.4	51.3	51.1	51.0	51.0	50.8	50.7
DURABLE GOODS	300016	36.3	36.1	36.2	36.4	36.6	37.1	36.5	37.0	36.7	37.1	37.1	37.0	36.7
AUD, VID, COMM EQUIP & ELEC COMPON	336536	11.5	11.6	11.6	11.6	11.6	11.9	11.8	11.9	11.9	12.0	11.8	11.7	11.7
NONDURABLE GOODS	400016	13.9	14.0	14.2	13.9	13.9	14.2	13.9	14.3	14.4	13.9	13.9	13.8	14.0
TRANSPORTATION, PUBLIC UTILITIES	500001	7.0	6.9	7.1	6.9	7.0	7.0	6.5	6.5	6.8	7.1	6.9	6.8	6.9
WHOLESALE & RETAIL TRADE	600001	35.8	35.2	35.6	35.8	35.9	36.4	37.0	37.1	37.1	36.5	37.2	37.9	36.5
WHOLESALE TRADE	600016	6.4	6.3	6.4	6.6	6.6	6.7	6.8	6.8	6.8	6.9	6.9	6.9	6.7
RETAIL TRADE	600036	29.4	28.9	29.2	29.2	29.3	29.7	30.2	30.3	30.3	29.6	30.3	31.0	29.8
FINANCE, INSURANCE & REAL ESTATE	700001	6.4	6.4	6.4	6.5	6.6	6.8	6.7	6.6	6.5	6.6	6.5	6.5	6.5
SERVICES	800001	33.3	34.0	34.4	34.9	35.3	36.0	36.4	36.4	36.4	36.6	36.4	36.8	35
HEALTH SERVICES	860002	11.7	12.0	12.0	12.1	12.2	12.3	12.2	12.3	12.4	12.3	12.3	12.4	12.4
GOVERNMENT	900001	20.4	21.3	22.2	22.5	22.2	22.1	19.5	19.1	21.3	21.4	21.4	21.7	21.3
FEDERAL	910001	4.2	4.9	5.7	5.9	5.6	5.1	4.6	4.4	4.3	4.2	4.2	4.4	4.8
STATE	920001	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
LOCAL	930001	13.7	13.9	14.0	14.1	14.1	14.5	12.4	12.2	14.5	14.7	14.7	14.8	14.0



LAWRENCE - HAVERHILL, MASSACHUSETTS-NEW HAMPSHIRE SMSA  
 NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
 FOR CALENDAR YEAR 1987

REVISED TO 1ST QTR 1988 BENCHMARK

I N D U S T R Y	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT . . . . .	157.2	158.5	159.4	161.6	162.3	164.6	160.6	161.0	162.1	162.5	163.6	164.6	161.5
Manufacturing . . . . .	51.6	51.5	51.2	51.4	50.5	50.6	49.4	50.5	50.4	50.3	50.3	50.5	50.7
Durable Goods . . . . .	38.1	38.0	37.6	37.7	36.7	36.7	36.1	36.6	36.5	36.5	36.5	36.7	37.0
Nondurable Goods . . . . .	13.5	13.5	13.6	13.7	13.8	13.9	13.3	13.9	13.9	13.8	13.8	13.8	13.7
Leather & Leather products . . . . .	1.7	1.7	1.7	1.8	1.8	1.8	1.5	1.9	1.9	1.8	1.8	1.8	1.8
Other nondurable goods . . . . .	11.8	11.8	11.9	11.9	12.0	12.1	11.8	12.0	12.0	12.0	12.0	12.0	11.9
Construction . . . . .	7.3	7.3	7.5	7.9	8.4	8.8	9.1	8.9	8.6	8.2	8.2	8.0	8.2
Transportation, Communication & Public Utilities . . . . .	6.6	6.7	6.7	6.8	6.9	7.0	6.8	6.7	7.0	6.9	6.9	7.0	6.8
Wholesale & Retail trade . . . . .	35.3	35.1	35.3	35.4	35.9	36.6	36.2	36.2	35.9	36.4	37.2	37.8	36.1
Finance, Insurance & Real Estate . . . . .	6.0	6.0	6.0	6.2	6.3	6.5	6.5	6.5	6.4	6.4	6.5	6.5	6.3
Services . . . . .	30.5	31.4	31.8	32.7	33.3	34.3	34.0	33.8	33.7	34.0	34.1	34.3	33.2
Government . . . . .	19.9	20.5	20.9	21.2	21.0	20.8	18.6	18.4	20.1	20.3	20.4	20.5	20.2





LAWRENCE - H A V E R H I L L, MASSACHUSETTS-NEW HAMPSHIRE SMSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1986

REVISED TO 1ST QTR 1987 BENCHMARK

I N D U S T R Y	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT . . . . .	159.7	159.8	160.6	161.5	162.2	155.4	158.4	158.3	159.9	159.9	159.4	160.1	159.6
Manufacturing . . . . .	55.4	54.6	54.6	53.7	53.4	45.4	52.2	52.7	52.8	52.3	52.0	52.0	52.6
Durable Goods . . . . .	41.5	41.1	40.9	40.4	40.1	31.9	39.1	39.1	39.3	38.8	38.5	38.4	39.1
Nondurable Goods . . . . .	13.9	13.5	13.7	13.3	13.3	13.5	13.1	13.6	13.5	13.5	13.5	13.6	13.5
Leather & Leather products . . . . .	2.5	2.3	2.4	2.1	2.1	2.1	1.8	2.0	1.9	1.8	1.8	1.8	2.1
Other nondurable goods . . . . .	11.4	11.2	11.3	11.2	11.2	11.4	11.3	11.6	11.6	11.7	11.7	11.8	11.5
Construction . . . . .	10.6	10.4	10.2	9.9	10.4	10.3	9.4	9.0	8.6	8.4	8.1	8.0	9.4
Transportation, Communication & Public Utilities . . . . .	6.4	6.5	6.5	6.5	6.6	6.8	6.3	6.3	6.7	6.8	6.8	6.8	6.6
Wholesale & Retail trade . . . . .	33.0	32.5	32.9	34.3	34.9	35.5	35.6	35.7	35.7	35.7	35.9	36.7	34.9
Finance, Insurance & Real Estate . . . . .	5.6	5.6	5.6	5.7	5.8	6.1	6.0	6.1	6.0	6.0	6.0	6.0	5.9
Services . . . . .	28.9	29.5	29.7	30.8	31.1	31.6	31.3	31.2	31.0	31.0	30.9	30.9	30.7
Government . . . . .	19.8	20.7	21.1	20.6	20.0	19.7	17.6	17.3	19.1	19.7	19.7	19.7	19.6

1/ Labor Dispute 8200 Jobs.

2/ Labor Dispute Ends 8200 Jobs.

5/1/89



L A W R E N C E - H A V E R H I L L, MASSACHUSETTS-NEW HAMPSHIRE SMSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1985

REVISED TO 1ST QTR 1987 BENCHMARK

I N D U S T R Y		JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT		152.7	152.3	153.0	157.1	150.9	161.3	156.5	150.4	160.5	160.4	160.9	161.8	157.9
Manufacturing		56.2	55.7	55.7	56.7	56.4	56.6	55.5	56.4	56.5	56.2	56.3	56.0	56.1
Durable Goods		41.9	41.6	41.6	41.9	41.7	41.9	41.6	41.9	42.0	41.7	41.7	41.5	41.7
Nondurable Goods		14.3	14.1	14.1	14.0	14.7	14.7	13.9	14.5	14.5	14.5	14.6	14.5	14.4
Leather & Leather products		2.0	2.0	2.0	2.0	2.0	2.9	2.7	2.9	2.9	2.0	2.0	2.7	2.0
Other nondurable goods		11.5	11.3	11.3	12.0	11.9	11.0	11.2	11.6	11.6	11.7	11.8	11.0	11.6
Construction		8.0	7.9	8.4	9.1	9.0	10.5	10.7	11.0	11.0	10.0	10.4	10.7	9.9
Transportation, Communication & Public Utilities		5.9	6.0	6.0	5.9	6.1	6.2	5.9	6.0	6.4	6.4	6.4	6.5	6.2
Wholesale & Retail trade		30.5	30.2	30.6	31.7	32.5	33.0	32.3	32.5	32.4	32.6	33.2	33.7	32.1
Finance, Insurance & Real Estate		5.2	5.1	5.1	5.2	5.3	5.4	5.7	5.7	5.7	5.5	5.6	5.6	5.4
Services		20.2	20.4	20.7	29.2	29.7	30.5	29.7	30.3	30.1	29.9	29.7	29.0	29.5
Government		10.7	19.0	19.3	19.3	19.1	19.1	16.7	16.5	10.4	19.0	19.3	19.5	10.7

5/1/89



L A W R E N C E - H I L L I, MASSACHUSETTS-NEW HAMPSHIRE SMSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1984

REVISED TO 1ST QTR 1987 BENCHMARK

I N D U S T R Y		JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT . . . . .		145.0	146.7	147.5	149.4	146.6	147.9	147.1	149.2	150.5	151.4	152.0	153.6	149.1
Manufacturing . . . . .		51.0	52.3	52.3	53.1	53.5	53.9	53.3	54.2	54.6	54.9	55.3	55.5	53.7
Durable Goods . . . . .		36.4	36.0	37.1	37.0	30.2	30.6	30.7	39.2	39.4	39.7	40.1	40.2	30.5
Nondurable Goods . . . . .		15.4	15.5	15.2	15.3	15.3	15.3	14.6	15.0	15.2	15.2	15.2	15.3	15.2
Leather & Leather products . . . . .		3.9	3.9	3.6	3.4	3.4	3.4	3.0	3.1	3.0	3.0	2.9	3.0	3.3
Other nondurable goods . . . . .		11.5	11.6	11.6	11.9	11.9	11.9	11.6	11.9	12.2	12.2	12.3	12.3	11.9
Construction . . . . .		11.1	11.0	11.2	10.9	6.5	6.3	6.7	7.4	7.4	7.7	7.7	7.7	8.5
Transportation, Communication & Public Utilities . . . . .		5.5	5.4	5.5	5.5	5.6	5.7	5.4	5.5	5.8	5.7	5.8	5.8	5.6
Wholesale & Retail trade . . . . .		20.6	20.4	20.5	29.4	30.0	30.7	31.7	31.8	32.0	31.4	32.0	32.7	30.6
Finance, Insurance & Real Estate . . . . .		5.3	5.3	5.3	5.0	5.0	5.1	5.2	5.2	5.1	5.0	5.1	5.1	5.1
Services . . . . .		25.0	25.9	26.2	27.2	27.6	28.1	28.3	28.7	28.3	28.5	28.7	28.5	27.7
Government . . . . .		17.7	18.4	18.5	18.3	18.4	18.1	16.5	16.4	17.3	18.2	18.2	18.3	17.9

5/1/89



LAWRENCE - H A V E R H I L L, MASSACHUSETTS-NEW HAMPSHIRE SMSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1983

REVISED TO 1ST QTR 1987 BENCHMARK

I N D U S T R Y	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT . . . . .	135.2	135.7	136.0	130.6	141.1	143.6	140.9	137.0	145.1	146.4	146.6	147.5	141.2
Manufacturing . . . . .	47.2	47.4	47.6	47.1	47.7	40.1	47.5	43.0	50.4	51.0	51.2	51.5	40.4
Durable Goods . . . . .	33.2	33.2	33.3	32.7	33.2	33.4	33.3	20.9	35.0	35.3	35.5	35.7	33.6
Nondurable Goods . . . . .	14.0	14.2	14.3	14.4	14.5	14.7	14.2	14.9	15.4	15.7	15.7	15.0	14.8
Leather & Leather products . . . . .	3.7	3.0	3.0	3.7	3.0	3.0	3.4	3.9	3.9	4.2	4.2	4.1	3.8
Other nondurable goods . . . . .	10.3	10.4	10.5	10.7	10.7	10.9	10.0	11.0	11.5	11.5	11.5	11.7	11.0
Construction . . . . .	10.5	10.2	10.2	11.3	11.9	12.0	12.3	12.6	12.4	12.0	12.2	11.9	11.0
Transportation, Communication & Public Utilities . . . . .	5.6	5.6	5.6	5.7	5.7	5.9	5.5	4.5	5.7	5.0	5.8	5.0	5.6
Wholesale & Retail trade . . . . .	26.2	25.9	26.3	26.0	27.3	20.0	20.3	20.3	20.5	20.5	20.7	29.3	27.6
Finance, Insurance & Real Estate . . . . .	4.0	4.7	4.0	4.0	4.9	5.1	5.2	5.2	5.1	5.1	5.2	5.2	5.0
Services . . . . .	23.2	23.6	23.9	24.5	24.9	25.6	25.6	26.2	26.0	25.7	25.9	26.0	25.1
Government . . . . .	17.7	10.3	10.4	10.4	10.7	10.1	16.5	16.4	17.0	17.5	17.6	17.0	17.7

5/1/89





L A W R E N C E - H A V E R H I L L, MASSACHUSETTS-NEW HAMPSHIRE SHSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1982

REVISED TO 1ST QTR 1987 BENCHMARK

I N D U S T R Y		JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT . . . . .		132.3	132.4	132.6	132.6	133.2	133.7	130.4	131.4	131.0	131.3	131.4	131.6	132.1
Manufacturing . . . . .		52.0	52.2	51.7	50.0	50.1	50.0	48.4	49.3	49.0	48.3	48.0	47.4	49.0
Durable Goods . . . . .		36.6	36.2	36.0	35.4	34.7	34.5	34.4	34.1	33.9	33.6	33.3	33.1	34.7
Nondurable Goods . . . . .		16.2	16.0	15.7	15.4	15.4	15.5	14.0	15.2	15.1	14.7	14.7	14.3	15.2
Leather & Leather products . . . . .		4.6	4.5	4.4	4.3	4.3	4.4	3.8	4.2	4.1	4.0	4.0	3.8	4.2
Other nondurable goods . . . . .		11.6	11.5	11.3	11.1	11.1	11.1	10.2	11.0	11.0	10.7	10.7	10.5	11.0
Construction . . . . .		3.0	2.9	3.2	3.4	3.6	3.8	4.0	4.0	4.0	4.0	4.0	3.9	3.7
Transportation, Communication & Public Utilities . . . . .		5.5	5.5	5.5	5.5	5.5	5.6	5.4	5.4	5.6	5.7	5.7	5.6	5.5
Wholesale & Retail trade . . . . .		26.3	25.8	25.9	26.4	26.8	27.3	26.9	27.0	27.2	27.2	27.4	28.1	26.9
Finance, Insurance & Real Estate . . . . .		4.0	4.0	4.0	4.0	4.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8
Services . . . . .		22.5	22.9	23.1	23.9	24.2	24.3	24.1	24.2	24.3	24.1	24.0	24.2	24.0
Government . . . . .		17.4	18.3	18.4	17.8	18.2	17.8	16.7	16.6	16.8	17.2	17.5	17.6	17.5

5/1/89



L A W R E N C E - H A V E R H I L L, MASSACHUSETTS-NEW HAMPSHIRE SMSA  
 NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
 FOR CALENDAR YEAR 1981

REVISED TO 1ST QTR 1987 BENCHMARK

I N D U S T R Y	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT . . . . .	131.5	132.9	134.3	135.0	136.9	130.4	135.0	136.7	134.7	135.7	135.5	135.9	135.3
Manufacturing . . . . .	53.0	53.7	53.9	54.0	54.3	55.4	53.6	54.7	54.2	54.1	53.9	53.6	54.1
Durable Goods . . . . .	36.4	36.0	36.2	36.3	36.5	37.2	37.1	37.3	37.1	37.3	37.2	37.3	36.0
Nondurable Goods . . . . .	17.4	17.7	17.7	17.7	17.8	18.2	16.5	17.4	17.1	16.8	16.7	16.3	17.3
Leather & leather products . . . . .	4.5	4.4	4.6	4.7	4.8	4.8	3.9	4.7	4.6	4.7	4.8	4.7	4.6
Other nondurable goods . . . . .	12.9	13.3	13.1	13.0	13.0	13.4	12.6	12.7	12.5	12.1	11.9	11.6	12.7
Construction . . . . .	2.6	2.6	2.7	3.2	3.3	3.5	3.6	3.6	3.6	3.7	3.7	3.5	3.3
Transportation, Communication & Public Utilities . . . . .	5.6	5.7	5.7	5.6	5.7	5.7	5.5	5.5	5.7	5.7	5.6	5.6	5.6
Wholesale & Retail Trade . . . . .	25.3	25.2	25.6	26.1	26.5	26.7	26.3	26.4	26.4	26.8	27.0	27.7	26.3
Finance, Insurance & Real Estate . . . . .	4.7	4.7	4.7	4.7	4.9	5.0	4.9	4.9	4.9	4.8	4.8	4.8	4.8
Services . . . . .	21.1	21.0	21.9	22.4	22.5	22.9	24.0	23.6	22.9	22.9	22.9	23.1	22.7
Government . . . . .	18.4	19.2	19.0	19.0	19.7	19.2	17.9	18.0	17.0	17.7	17.6	17.6	18.5



L A W R E N C E - H A V E R H I L L, MASSACHUSETTS-NEW HAMPSHIRE SMSA  
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT  
FOR CALENDAR YEAR 1980

REVISED TO 1ST QTR 1987 BENCHMARK

I N D U S T R Y	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	AVG.
NONAGRICULTURAL EMPLOYMENT . . . . .	126.8	128.2	130.1	132.6	133.3	134.8	129.6	132.0	132.7	133.9	134.4	135.1	132.0
Manufacturing . . . . .	49.0	49.8	50.4	51.3	52.0	52.7	49.0	52.1	52.0	52.9	53.1	53.4	51.5
Durable Goods . . . . .	31.2	31.6	32.1	32.9	33.6	34.3	34.4	34.5	34.6	35.4	35.5	35.9	33.8
Nondurable Goods . . . . .	17.0	18.2	18.3	18.4	18.4	18.4	14.6	17.6	17.4	17.5	17.6	17.5	17.6
Leather & Leather products . . . . .	4.3	4.5	4.5	4.6	4.7	4.7	3.7	4.7	4.6	4.6	4.7	4.6	4.5
Other nondurable goods . . . . .	13.5	13.7	13.0	13.0	13.7	13.7	10.9	12.9	12.0	12.9	12.9	12.9	13.1
Construction . . . . .	2.7	2.7	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.2
Transportation, Communication & Public Utilities . . . . .	5.8	5.0	5.0	5.7	5.9	6.0	5.0	5.0	6.0	5.9	6.0	6.0	5.9
Wholesale & Retail trade . . . . .	25.1	24.6	24.0	25.6	25.6	26.1	25.5	25.6	25.7	25.5	25.9	26.6	25.6
Finance, Insurance & Real Estate . . . . .	4.9	4.9	4.9	4.9	5.0	5.1	5.0	5.0	5.0	5.1	5.0	5.1	5.0
Services . . . . .	21.0	21.0	22.0	23.2	23.2	23.3	24.2	23.9	23.6	23.6	23.5	23.5	23.2
Government . . . . .	17.5	18.6	18.6	18.9	18.4	18.2	16.7	17.0	17.0	17.5	17.6	17.3	17.8

5/1/89





